

On page 1, line 22, after "e.g." insert --,--.

On page 2, before line 8, insert:

--SUMMARY--.

On page 2, line 8, change "Therefore, the" to --An--
, before "invention" insert --present--, and change "create"
to --provide--.

On page 2, delete lines 15-19.

On page 2, delete line 21, and insert:

--The present invention provides--.

On page 2, line 22, delete "available".

On page 2, line 35, delete "known and is".

On page 3, line 5, after "interferometer" insert --
according to the present invention--.

On page 3, line 7, change "contains" to --includes--.

On page 3, line 22, change "if" to --when--.

On page 4, line 11, after "i.e." insert --,--.

On page 4, delete lines 13-15, and insert:

--BRIEF DESCRIPTION OF THE DRAWING

The FIGURE illustrates an example embodiment of an
interferometer in accordance with the present invention.

DETAILED DESCRIPTION--.

On page 4, line 20, before "beam" insert --
conventional--, and delete ",,".

On page 4, line 21, delete "known per se,".

On page 4, line 26, change "Let it be" to --Assume, for example,--.

On page 4, line 27, delete "assumed".

On page 4, line 35, delete "It must".

On page 5, line 1, change "be emphasized that the" to --The--.

On page 5, line 17, change "In the following, the" to --The--.

On page 5, line 18, after "detail" insert --below--.

On page 5, line 19, before "conventional" insert --when tuning--.

On page 5, line 20, change "are tuned, in that" to --,--.

On page 5, line 22, before "invention" insert --present--.

On page 5, line 26, before "invention" insert --present--.

On page 5, line 27, change "- i.e." to --, i.e.,--.

On page 5, line 28, change "surface" (second occurrence) to --object--, and change "-" to --,--.

On page 5, line 29, change "Let it now be assumed" to --Assume--.

On page 5, line 31, after "i.e." insert --,--.

On page 6, line 2, change "50" to --40--.

On page 6, line 5, change "surface" to --object--.

On page 6, line 32, change "the" to --a conventional--, and delete ", which".

On page 6, line 33, delete "is known per se".

On page 7, line 10, change "already mentioned" to --described above--.

On page 7, line 12, change "already mentioned" to --described above--.

On page 7, line 23, change "an" to --a conventional--.

On page 7, line 24, delete ", known per".

On page 7, line 25, delete "se,", and change "preferred" to --advantageous--.

On page 7, line 33, after "i.e." insert --,--.

On page 9, delete line 1, and insert:
--What Is Claimed Is:--.

IN THE ABSTRACT:

Please amend the abstract as follows:

Delete line 3, and insert:

--An--.

Line 4, after "interferometer" insert --is described--.

Delete lines 8 and 9.

Line 10, change "For this purpose, the" to --measuring errors. The--, and delete "(10)".